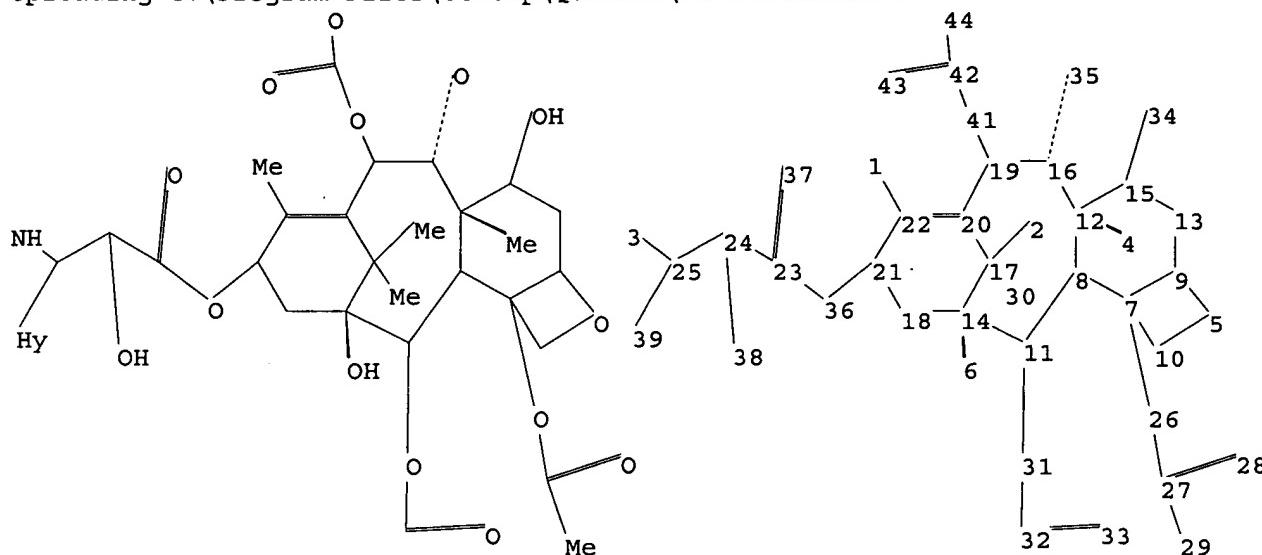


<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10-720615b.str



chain nodes :

1 2 3 4 6  
41 42 43 44

ring nodes :

5 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22  
 chain bonds :  
 1-22 2-17 3-25 4-12 6-14 7-26 11-31 15-34 16-35 17-30 19-41 21-36 23-24  
 23-36 23-37 24-25 24-38 25-39 26-27 27-28 27-29 31-32 32-33 41-42 42-43  
 42-44

42-44  
ring bonds :

Ring bonds : 5-9 5-10 7-8 7-9 7-10 8-11 8-12 9-13 11-14 12-15 12-16 13-15 14-17  
 14-18 16-19 17-20 18-21 19-20 20-22 21-22

exact/norm bonds : -

**exact/norm bonds :** 3-25 6-14 7-26 11-31 15-34 16-35 19-41 21-36 23-36 23-37 24-38 25-39  
 26-27 27-28 31-32 32-33 41-42 42-43 42-44

**exact bonds :**

**exact bonds :**

13-15 14-17 14-18 16-19 17-20 17-30 18-21 19-20 20-22 21-22 23-24 24-25  
27-29

27-25  
isola

## isolated ring systems : containing 5 :

concealing 5 :

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:CLASS 7:Atom 8:Atom 9:Atom  
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom  
19:Atom 20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS  
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS  
35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:Atom 41:CLASS 42:CLASS 43:CLASS  
44:CLASS

## Stereo Bonds:

#### 12-4 (Single Wedge) .

### 14-6 (Single Wedge).

#### Stereo Chiral Centers:

12 (Parity=Odd)  
14 (Parity=Odd)

### Stereo RSS Sets:

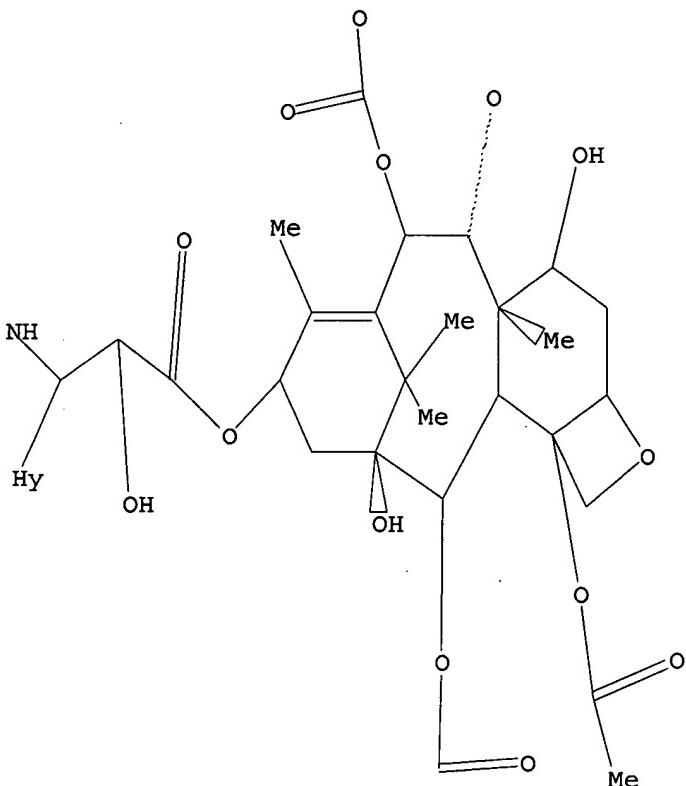
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## L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 ful  
FULL SEARCH INITIATED 13:25:52 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 997 TO ITERATE

100.0% PROCESSED 997 ITERATIONS  
SEARCH TIME: 00.00.01

40 ANSWERS

L2 40 SEA SSS FUL L1

=> fil caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	161.33	161.54

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 FILE LAST UPDATED: 8 Sep 2005 (20050908/ED)

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=> s l2  
 L3                2 L2

=> d ibib abs fhit tot  
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The following are valid formats:

ABS -----	GI and AB
ALL -----	BIB, AB, IND, RE
APPS -----	AI, PRAI
BIB -----	AN, plus Bibliographic Data and PI table (default)
CAN -----	List of CA abstract numbers without answer numbers
CBIB -----	AN, plus Compressed Bibliographic Data
DALL -----	ALL, delimited (end of each field identified)
DMAX -----	MAX, delimited for post-processing
FAM -----	AN, PI and PRAI in table, plus Patent Family data
FBIB -----	AN, BIB, plus Patent FAM
IND -----	Indexing data
IPC -----	International Patent Classifications
MAX -----	ALL, plus Patent FAM, RE
PATS -----	PI, SO
SAM -----	CC, SX, TI, ST, IT
SCAN -----	CC, SX, TI, ST, IT (random display, no answer numbers; SCAN must be entered on the same line as the DISPLAY, e.g., D SCAN or DISPLAY SCAN)
STD -----	BIB, IPC, and NCL
IABS -----	ABS, indented with text labels
IALL -----	ALL, indented with text labels
IBIB -----	BIB, indented with text labels

IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms  
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms  
HITRN ----- HIT RN and its text modification  
HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram  
HITSEQ ----- HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
its structure diagram  
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
KWIC ----- Hit term plus 20 words on either side  
OCC ----- Number of occurrence of hit term and field in which it occurs

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## L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001581884 CAPLUS

DOCUMENT NUMBER: 135:152987

TITLE: Preparation and formulation of C10 carbonate substituted taxanes as antitumor agents

INVENTOR(S): Holton, Robert A.

PATENT ASSIGNEE(S): Florida State University Research Foundation, Inc., USA

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIKXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 9

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057031	A1	20010809	WO 2001-US3588	20010202
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MO, NZ, PL, PT, RO, RU, SD, SB, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2368151	AA	20010809	CA 2001-2368151	20010202
AU 2001033301	A5	20010814	AU 2001-33301	20010202
AU 782028	B2	20050630		
BR 2001004779	A	20011226	BR 2001-4779	20010202
EP 1165550	A1	20020102	EP 2001-905420	20010202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, PL, RO				
US 2002052403	A1	20020502	US 2001-776426	20010202
US 6638973	B2	20031028		
TR 200102855	T1	20020621	TR 2001-200102855	20010202
US 2003114493	A1	20030619	US 2001-776274	20010202
US 6660866	B2	20031209		
JP 2003522171	T2	20030722	JP 2001-557863	20010202
NZ 514074	A	20040326	NZ 2001-514074	20010202
CA 2354478	AA	20030131	CA 2001-2354478	20010731
JP 2003055361	A2	20030226	JP 2001-233150	20010801
NZ 513296	A	20050128	NZ 2001-513296	20010801
CN 1491947	A	20040428	CN 2001-142408	20010806
NO 2001004753	A	20011129	NO 2001-4753	20011001
BG 105964	A	20020830	BG 2001-105964	20011001
ZA 2001008054	A	20031201	ZA 2001-8054	20011001
ZA 2001008058	A	20031201	ZA 2001-8058	20011001
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US 2004097579	A1	20040520	US 2003-680649	20031007
US 2004122055	A1	20040624	US 2003-720615	20031124
PRIORITY APPLN. INFO.:			US 2000-179684P	P 20000202
			US 2000-179669P	P 20000202

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)  
RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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US 2000-179671P P 20000202

US 2000-179672P P 20000202

US 2000-179782P P 20000202

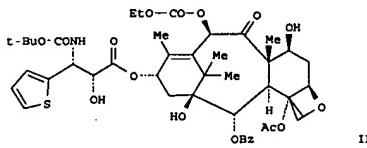
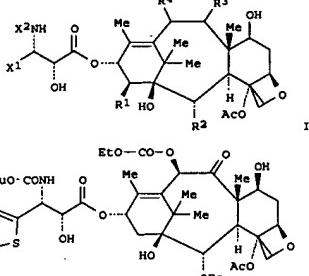
US 2000-179793P P 20000202

US 2000-179794P P 20000202

US 2001-776274 A1 20010202

US 2001-776426 A1 20010202

WO 2001-US3588 W 20010202

OTHER SOURCE(S): MARPAT 135:152987  
GI

AB Taxanes of formula I [R1 = H, OH; R2 = acyloxy; R3 = keto, OH, acyloxy;  
R4 = carbonate; XI = alky, alkenyl, alkynyl, heterocycl, X2 = acyl,  
CO2alkyl, CO2heterocycl, etc.], having a carbonate substituent at  
C(10),

are prepared as antitumor agents. Thus, II was prepared and had in vitro  
cytotoxicity of ID50 of < 1 nm against HCT116 cells. Pharmaceutical  
comps. containing I are described.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR  
THIS

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Page 8

=> d ibib abs 2

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS ON STN  
ACCESSION NUMBER: 2001:581864 CAPLUS  
DOCUMENT NUMBER: 135:152983  
TITLE: Preparation and formulation of taxanes having  
improved  
INVENTOR(S): solubility for pharmaceutical use as antitumor agents  
Holton, Robert A.  
PATENT ASSIGNEE(S): Florida State University Research Foundation, Inc.,  
USA  
SOURCE: PCT Int. Appl. 319 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 9  
PATENT INFORMATION:

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)  
 US 2005020635 A1 20050127 US 2004-867275 200406141  
 US 2005143446 A1 20050630 US 2005-63626 20050223  
 US 2005143447 A1 20050630 US 2005-68166 20050228  
 US 2005182098 A1 20050818 US 2005-67882 20050228  
 US 2005165051 A1 20050728 US 2005-82380 20050317  
 PRIORITY APPLN. INFO.: US 2000-179669P P 20000202  
  
 US 2000-179670P P 20000202  
  
 US 2000-179671P P 20000202  
  
 US 2000-179672P P 20000202  
  
 US 2000-179674P P 20000202

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057013	A1	20010809	WO 2001-US3624	20010202
A8, AL, AM, AT, AU, BE, BA, BB, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, ES, ET, GB, GR, GH, GI, HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR, KZ, LC, MK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MM, MO, NL, NZ, PL, PT, RO, RU, SD, SE, SK, SL, SI, TR, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BG, KG, ME, RS, SI, TR, TU, TM				
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US 2001051639	A1	20011213	US 2001-776492	20010202
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BR 2001004358	A	20020102	BR 2001-4358	20010202
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US 2003060638	A1	20030327	US 2002-71924	20020206
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US 2004072872	A1	20040415	US 2003-676222	20031001
US 2004097579	A1	20040520	US 2003-686490	20031007
US 2004087547	A1	20040506	US 2003-720826	20031124
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US 2004122055	A1	20040624	US 2003-720615	20031124
US 2004138267	A1	20040715	US 2003-743581	20031222

OTHER SOURCE(S) : MARPAT 135:152983  
GI

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Taxanes, such as I [R7, R10 = H, acyl, carboxy, carbamoyl, etc.; X3 = alkyl, alkenyl, alkynyl, Ph, substituted Ph, heteroaryl; X5 = H, acyl, carboxyl, carboxamide, etc.] with improved solubility, were prepared from use as antitumor agents. Thus, taxotere analog II was prepared via esterification of baccatin III derivative III' (R7 = COCH<sub>2</sub>Me, R10 = SiEt<sub>3</sub>) with  $\beta$ -lactam IV followed by deprotection step using HF. The prepared taxanes were tested for cytotoxic activity against HT116 cells. Pharmaceutical formulations of the prepared taxanes were also presented.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS

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**FORMAT**

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